INTERNATIONAL SEARCH REPORT

Inte nal Application No

PC1/1B 03/06071 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L21/768 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 - H01LH01L Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data, INSPEC C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. US 2002/081787 A1 (BHUSARI DHANANJAY M Α AL) 27 June 2002 (2002-06-27) 1-10 page 4, left-hand column, paragraph 34 -page 9, right-hand column, paragraph 82 page 11, left-hand column, paragraph 102 -right-hand column, paragraph 110 page 12, left-hand column, paragraph 119 -page 13, left-hand column, paragraph 134; figures 1A-D,4A-H,6A-I,7A-H EP 0 890 984 A (SIEMENS AG) Α 1 - 1013 January 1999 (1999-01-13) cited in the application the whole document Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the International invention filing date "X" document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 20 April 2004 28/04/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 European Faterii Olinos, 1.5. 30.00.00 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016 Micke, K Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

Int ional Application No
PCT/IB 03/06071

ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/IB 03/06071		
Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
US 6 417 094 B1 (TSAU LIMING ET AL) 9 July 2002 (2002-07-09) column 5, line 9 - line 67 column 7, line 47 - line 63; figures 3C-F,6A-C	1-10		
WO 02/061823 A (ADVANCED MICRO DEVICES INC) 8 August 2002 (2002-08-08) page 8, paragraph 5 -page 9, paragraph 3; figures 3G-I	1-10		
US 2002/175417 A1 (MORROW PATRICK) 28 November 2002 (2002-11-28) page 2, left-hand column, paragraph 17 page 2, left-hand column, paragraph 22 -page 3, left-hand column, paragraph 29 page 6, left-hand column, paragraph 59 - paragraph 62; figures 3,4A-L,6A-C	1-10		
PATENT ABSTRACTS OF JAPAN vol. 2003, no. 11, 5 November 2003 (2003-11-05) -& JP 2003 203972 A (TOKYO ELECTRON LTD), 18 July 2003 (2003-07-18) abstract paragraph '0029! - paragraph '0047!; figures 6A-H	1-5,7,8,		
	US 6 417 094 B1 (TSAU LIMING ET AL) 9 July 2002 (2002-07-09) column 5, line 9 - line 67 column 7, line 47 - line 63; figures 3C-F,6A-C WO 02/061823 A (ADVANCED MICRO DEVICES INC) 8 August 2002 (2002-08-08) page 8, paragraph 5 -page 9, paragraph 3; figures 3G-I US 2002/175417 A1 (MORROW PATRICK) 28 November 2002 (2002-11-28) page 2, left-hand column, paragraph 17 page 2, left-hand column, paragraph 22 -page 3, left-hand column, paragraph 29 page 6, left-hand column, paragraph 59 - paragraph 62; figures 3,4A-L,6A-C PATENT ABSTRACTS OF JAPAN vol. 2003, no. 11, 5 November 2003 (2003-11-05) -& JP 2003 203972 A (TOKYO ELECTRON LTD), 18 July 2003 (2003-07-18) abstract paragraph '0029! - paragraph '0047!		

INTERNATIONAL SEARCH REPORT

Int ional Application No
PCT/IB 03/06071

		101,25 00,000,1				
Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2002081787	A1	27-06-2002	US AU EP WO	2004038513 8861601 1352421 0219420	A A2	26-02-2004 13-03-2002 15-10-2003 07-03-2002
EP 0890984	Α	13-01-1999	US CN EP JP TW	6033977 1208947 0890984 11074356 399314	A A1 A	07-03-2000 24-02-1999 13-01-1999 16-03-1999 21-07-2000
US 6417094	B1	09-07-2002	TW WO	441015 0039849		16-06-2001 06-07-2000
WO 02061823	A	08-08-2002	US TW WO	6514860 526590 02061823	В	04-02-2003 01-04-2003 08-08-2002
US 2002175417	A1	28-11-2002	US	2002140104	A1	03-10-2002
JP 2003203972	Α	18-07-2003	NONE			